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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

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Washington, D.C. 20005
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FOR THE MONTH AND PERIOD ENDED

FEBRUARY 28, 1990

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

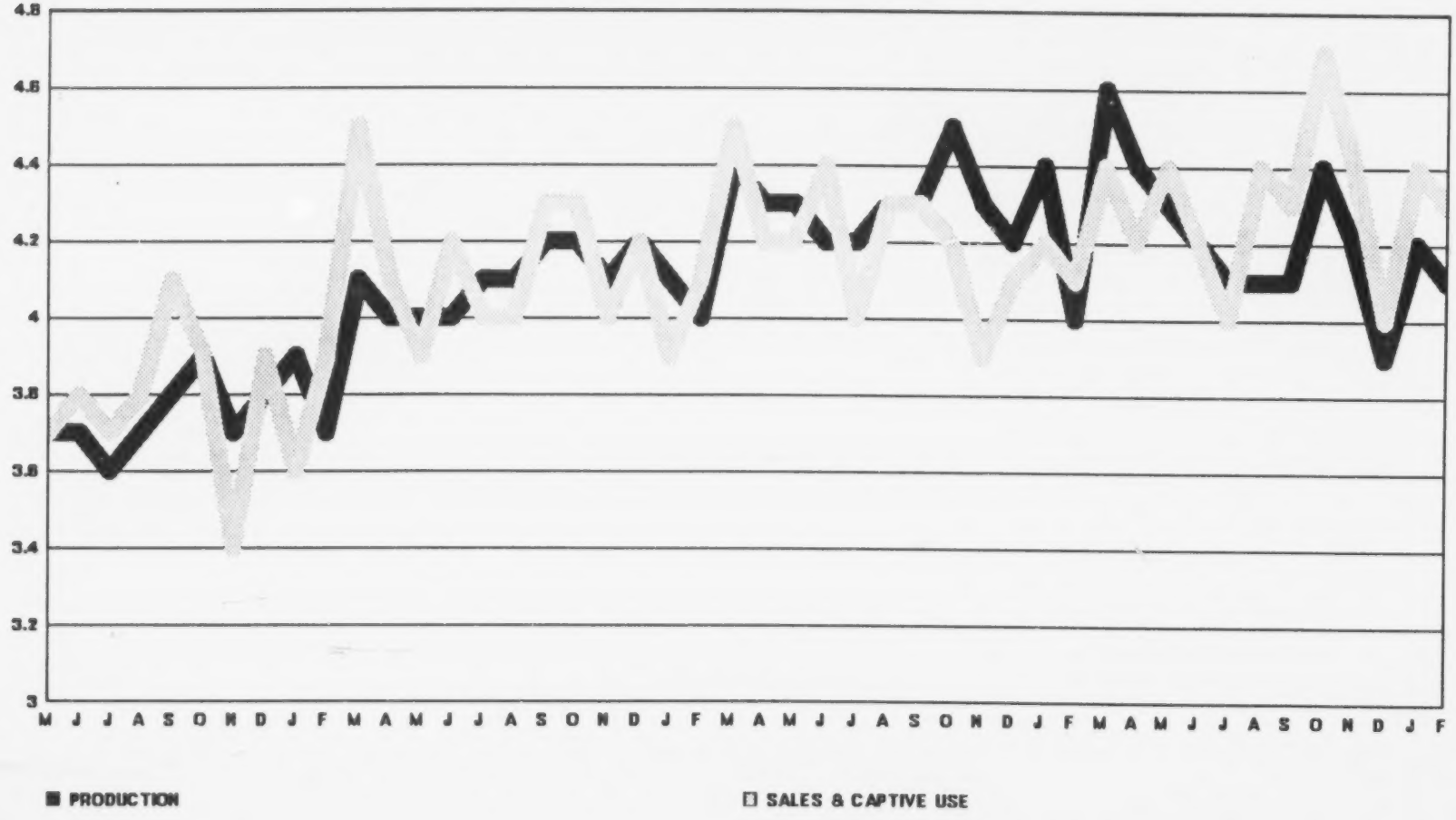
Release Date: April 20, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

FEBRUARY 1990



THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Thousands of pounds, dry weight basis)(1)

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	34,618	36,659	-5.6	72,807	78,269	-7.0	42,926	42,040	2.1	77,766	87,814	-11.4
POLYESTER (UNSATURATED) RESINS, TOTAL	99,235	108,393	-8.4	207,642	221,296	-6.2	101,643	108,846	-6.6	211,582	220,393	-4.0
UREA RESINS, TOTAL	116,611	101,707	14.7	241,084	209,773	14.9	116,803	102,834	13.6	240,952	210,860	14.3
MELAMINE RESINS, TOTAL	11,732	16,204	-27.6	24,702	35,262	-29.9	14,316	17,373	-17.6	29,124	37,445	-22.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	233,429	220,865	5.7	486,951	464,879	4.7	233,611	227,121	2.9	487,630	472,436	3.2
THERMOSETTING RESINS, TOTAL	495,625	483,828	2.4	1,033,186	1,009,479	2.3	509,299	498,214	2.2	1,047,054	1,028,948	1.8
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	553,090	538,727	2.7	1,139,456	1,115,294	2.2	560,094	540,613	3.6	1,143,082	1,185,048	-3.5
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	357,081	284,536	25.5	686,724	586,636	17.1	271,984	286,916	-5.2	548,560	566,767	-3.2
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL	632,366	618,176	2.3	1,291,750 R	1,238,398	4.3	616,225	585,229	5.3	1,253,694	1,267,430	-1.1
POLYPROPYLENE, TOTAL	658,585	613,984	7.3	1,362,748	1,205,717	13.0	666,292	564,430	18.0	1,336,066	1,168,820	14.3
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	87,329	106,523	-18.0	181,995	229,898	-20.8	77,563	109,390	-29.1	169,727	240,701	-29.5
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	9,847	8,762	12.4	20,066	16,997	18.1	10,025	8,427	19.0	20,420	18,795	8.6
POLYSTYRENE RESINS, TOTAL	453,980	432,726	4.9	918,334	870,800	5.5	372,015	403,956	-7.9	786,625	808,716	-2.7
STYRENE BASED LATEXES, TOTAL ***	84,094	79,268	6.1	171,813	165,497	3.8	76,968	74,195	3.7	163,887	155,634	5.3
OTHER STYRENICS, TOTAL (40% or More Styrene)	11,681	12,897	-9.4	24,675 R	27,814	-11.3	10,967	12,636	-13.2	24,180	26,212	-7.8
NYLON RESINS (6)	43,494	50,809	-14.4	87,575	100,658	-13.0	40,990	47,547	-13.8	87,676	97,915	-10.5
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	771,027	685,828	12.4	1,515,225	1,383,567	9.5	724,473	679,261	6.7	1,445,657	1,382,828	4.5
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	16,483	17,017	-3.1	33,938	36,384	-6.7	20,197	17,833	13.3	40,726	39,394	3.4
THERMOPLASTIC POLYESTER, TOTAL (6)	138,793	122,621	13.2	281,244	260,516	8.0	138,898	121,426	14.4	276,467	252,539	9.5
THERMOPLASTIC RESINS, TOTAL	**3,817,850**	**3,571,874**	**6.9**	**7,715,543 R**	**7,238,176**	**6.6**	**3,586,691**	**3,451,859**	**3.9**	**7,296,767**	**7,210,799**	**1.2**
GRAND TOTAL	4,313,475	4,055,702	6.4	8,748,729 R	8,247,655	6.1	4,095,990	3,950,073	3.7	8,343,821	8,239,747	1.3

(1) = Except phenolic resins which are reported on a gross weight basis.

*** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

(6) = Data includes Sales from Imports.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	34,618	36,659	-5.6	72,807	78,269	-7.0	42,926	42,040	2.1	77,766	87,814	-11.4
Exports, Total	5,296	5,624	-5.8	11,957	11,770	1.6						
Captive Use, Total	1,551	1,244	24.7	3,063	2,353	30.2						
Domestic Sales, Total	27,771	29,791	-6.8	57,787	64,146	-9.9						
Domestic Sales & Captive Use,Total	29,322	31,035	-5.5	60,850	66,499	-8.5						
Bonding & Adhesives	2,095	2,102	-0.3	4,241	4,270	-0.7						
Flooring, Paving & Exposed Aggregate	1,813	1,653	9.7	3,856	3,752	2.8						
Protective Coatings	13,705	15,412	-11.1	28,707	32,031	-10.4						
Fiber Reinforced Laminates & Composites	6,806	6,312	7.8	13,662	15,216	-10.2						
FRL&C for Printed Wiring Board	4,755	4,177	13.8	9,362	10,951	-14.5						
All Other FRL&C	2,051	2,135	-3.9	4,300	4,265	0.8						
Tooling, Casting & Molded Resins	2,048	2,564	-20.1	4,017	5,322	-24.5						
All Other Uses	2,855	2,992	-4.6	6,367	5,908	7.8						
POLYESTER (UNSATURATED) RESINS, TOTAL	99,235	108,393	-8.4	207,642	221,296	-6.2	101,643	108,846	-6.6	211,582	220,393	-4.0
Total Exports	1,891	2,231	-15.2	3,237	3,906	-17.1						
Total Domestic	97,344	106,162	-8.3	204,405	217,390	-6.0						
General Purpose Resins, Total	84,103	90,803	-7.4	176,908	186,956	-5.4						
General Purpose - Thixotropic	32,548	41,416	-21.4	68,624	85,297	-19.5						
General Purpose - Press Molding	11,977	10,276	16.6	23,570	21,503	9.6						
General Purpose - Panel	5,564	N/A		13,383	N/A							
General Purpose - All Other	34,014	39,111	-13.0	71,331	80,156	-11.0						
Flame Retardant Resins	2,070	2,201	-6.0	4,066	4,075	-0.2						
Chemical Resistant Resins, Total	11,171	13,158	-15.1	23,431	26,359	-11.1						
Chemical Resistant Isophthalic Resins	8,409	10,210	-17.6	17,098	20,570	-16.9						
All Other Chemical Resistant Resins	2,762	2,948	-6.3	6,333	5,789	9.4						
Reinforced Plastic, Total	71,905	81,141	-11.4	150,840	166,392	-9.3						
Non-Reinforced Plastics, Total	25,439	25,021	1.7	53,565	50,998	5.0						

N/A = Not Available

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THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
UREA RESINS, TOTAL	116,611	101,707	14.7	241,084	209,773	14.9	116,803	102,834	13.6	240,952	210,860	14.3
MELAMINE RESINS, TOTAL	11,732	16,204	-27.6	24,702	35,262	-29.9	14,316	17,373	-17.6	29,124	37,445	-22.2
UREA & MELAMINE RESINS, TOTAL	128,343	117,911	8.8	265,786	245,035	8.5	131,119	120,207	9.1	270,076	248,305	8.8
Total Exports	D1	D1		D1	D1							
Total Domestic	128,343	117,911	8.8	265,786	245,035	8.5						
Textile Coating & Treating Resins	1,900	1,910	-0.5	3,999	4,189	-4.5	3,127	2,971	5.3	5,345	5,207	2.7
Paper Coating & Treating Resins	3,481	4,085	-14.8	7,084	8,405	-15.7	3,769	4,482	-15.9	7,435	9,208	-19.3
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	102,743	96,032	7.0	212,980	197,612	7.8	103,180	95,275	8.3	213,277	196,038	8.8
Laminating	2,563	5,912	-56.6	5,189	17,572	-70.5	2,527	4,138	-38.9	5,216	15,079	-65.4
Plywood	2,776	5,161	-46.2	7,578	8,668	-12.6	2,947	5,295	-44.3	7,629	8,949	-14.8
Fibrous & Granulated Wood (Particle Board)	97,404	84,959	14.6	200,213	171,372	16.8	97,706	85,842	13.8	200,432	172,010	16.5
Protective Coatings (Straight & Modified)	6,944	8,425	-17.6	14,476	19,130	-24.3	9,316	10,557	-11.8	19,399	23,293	-16.7
All Other Uses	13,275	7,459	78.0	27,247	15,699	73.6	11,727	6,922	69.4	24,620	14,559	69.1
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	233,429	220,865	5.7	486,951	464,879	4.7	233,611	227,121	2.9	487,630	472,436	3.2
Total Exports	1,762	1,145	53.9	3,013	2,337	28.9						
Total Domestic	231,667	219,720	5.4	483,938	462,542	4.6						
Molding Compounds	13,842	15,233	-9.1	26,415	30,507	-13.4	15,821	17,389	-9.0	29,436	33,593	-12.4
Bonding & Adhesive Resins for:	214,782	200,725	7.0	451,543	423,119	6.7	214,447	205,614	4.3	451,250	428,727	5.3
Laminating	13,136	15,715	-16.4	28,877	34,130	-15.4	13,157	17,011	-22.7	28,865	35,626	-19.0
Coated & Bonded Abrasives	2,421	3,244	-25.4	4,598	5,152	-10.8	2,503	3,747	-33.2	4,369	5,658	-22.8
Friction Materials	3,706	5,626	-34.1	7,241	8,034	-9.9	3,700	5,969	-38.0	7,909	8,242	-4.0
Insulation Materials	34,252	31,362	9.2	66,586	69,905	-4.7	34,217	33,043	3.6	66,300	72,188	-8.2
Foundry & Shell Molding	5,828	3,430	69.9	11,632	7,022	65.7	5,745	3,576	60.7	11,306	7,318	54.5
Plywood	N.R. 5	112,384		N.R. 5	230,036		N.R. 5	113,233		N.R. 5	230,477	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	1,321		D3	1,757		D3	1,155		D3	1,837	
All Other	155,439	27,643	N/C	332,609	67,083	N/C	155,125	27,880	N/C	332,501	67,381	N/C
Protective Coatings - Unmodified & Modified	D2	1,048		D2	2,181		D2	911		D2	2,051	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	3,043	2,714	N/C	5,980	6,735	N/C	3,343	3,207	N/C	6,944	8,065	N/C

D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.
N.R.5 = Not Reported: Included in All Other Bonding & Adhesive Resins.

(1) - Phenolic is on a Gross Weight Basis

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION AND IMPORTS					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL	553,090	538,727	2.7	1,139,456	1,115,294	2.2	575,316	546,681	5.2	1,171,460	1,198,612	-2.3
Imports, Total							15,222	6,068	150.9	28,378	13,564	109.2
Exports, Total	61,923	71,342	-13.2	136,877	138,148	-0.9						
Domestic, Total	491,167	467,385	5.1	1,002,579	977,146	2.6	560,094	540,613	3.6	1,143,082	1,185,048	-3.5
Film (12 Mils & Below)	291,480	276,209	5.5	584,915	563,813	3.7						
Packaging Film	200,980	190,480	5.5	400,499	378,739	5.7						
Food Packaging Film	94,887	88,154	7.6	199,407	180,557	10.4						
Non-Food Packaging Film	83,624	83,943	-0.4	153,389	159,804	-4.0						
Shrink Film	12,171	D10		25,904	D10							
Stretch Film	10,298	18,383	N/C	21,799	38,378	N/C						
Non-Packaging Film	90,500	85,729	5.6	184,416	185,074	-0.4						
Carry-Out Bags	6,877	9,364	-26.6	13,709	21,507	-36.3						
Trash and Can Liners	27,781	29,276	-5.1	56,821	66,296	-14.3						
Other Non-Packaging Film	55,842	47,089	18.6	113,886	97,271	17.1						
Sheet (Over 12 Mils)	5,184	6,245	-17.0	10,195	14,175	-28.1						
Injection Molding	33,565	32,288	4.0	63,366	64,736	-2.1						
Injection Molded Lids	6,498	4,353	49.3	13,258	8,537	55.3						
Injection Molded Housewares	3,932	3,525	11.5	8,381	8,196	2.3						
Other Injection Molding	23,135	24,410	-5.2	41,727	48,003	-13.1						
Wire and Cable	D5	D5		D5	D5							
Extrusion Coating	57,118	D5		123,616	D5							
Blow Molding	4,128	4,437	-7.0	9,589	10,012	-4.2						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	25,941	82,367	N/C	55,625	176,184	N/C						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	40,158	34,042	18.0	86,098	68,527	25.6						
Resellers	29,798	25,909	15.0	60,427	50,274	20.2						
Compounders	10,360	8,133	27.4	25,671	18,253	40.6						
Adhesives and Sealants	8,830	D2		17,960	D2							
All Other Uses	24,763	31,797	N/C	51,215	79,699	N/C						

D2 = Disclosure: Included in All Other Uses.

D5 = Disclosure: Included in Other Extruded Products.

D10 = Disclosure: Shrink Film is included in Stretch Film.

D – Disclosure
R – Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LINEAR LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL	357,081	284,536	25.5	686,724	586,636	17.1	344,142	343,527	0.2	672,333	685,169	-1.9
Imports, Total							72,158	56,611	27.5	123,773	118,402	4.5
Exports, Total	19,616	9,058	116.6	35,396	17,283	104.8						
Domestic, Total	337,465	275,478	22.5	651,328	569,353	14.4	271,984	286,916	-5.2	548,560	566,767	-3.2
Film (12 Mils & Below)	221,893	178,742	24.1	423,777	381,664	11.0						
Packaging Film	98,590	82,126	20.0	194,084	175,664	10.5						
Food Packaging Film	17,796	14,012	27.0	33,993	32,065	6.0						
Non-Food Packaging Film	52,803	45,471	16.1	105,072	96,932	8.4						
Shrink Film	D10	D10		D10	D10							
Stretch Film	27,991	22,643	23.6	55,019	46,667	17.9						
Non-Packaging Film	123,303	96,616	27.6	229,693	206,000	11.5						
Carry-Out Bags	19,029	15,018	26.7	38,492	35,863	7.3						
Trash and Can Liners	83,399	67,334	23.9	151,075	126,523	19.4						
Other Non-Packaging Film	20,875	14,264	46.3	40,126	43,614	-8.0						
Sheet (Over 12 Mils)	2,119	3,947	-46.3	2,979	4,875	-38.9						
Injection Molding	37,418	30,973	20.8	72,827	59,214	23.0						
Injection Molded Lids	15,747	14,136	11.4	29,392	27,193	8.1						
Injection Molded Housewares	13,539	10,666	26.9	26,332	19,998	31.7						
Other Injection Molding	8,132	6,171	31.8	17,103	12,023	42.3						
Wire and Cable	D5	D5		D5	D5							
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	2,332	1,552	50.3	4,432	2,565	72.8						
Pipe and Conduit, Total	4,140	D5		8,041	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	13,956	18,992	N/C	28,908	38,951	N/C						
Rotomolding	28,030	D2		52,784	D2							
Resellers & Compounders, Total	16,954	17,786	-4.7	36,161	28,821	25.5						
Resellers	9,301	12,237	-24.0	21,571	19,737	9.3						
Compounders	7,653	5,549	37.9	14,590	9,084	60.6						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	10,623	23,486	N/C	21,419	53,263	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
D10 = Disclosure: Shrink Film is Included in Stretch Film.

D = Disclosure
R = Revision

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MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
HIGH DENSITY POLYETHYLENE – ABOVE 0.940. TOTAL	632,368	618,176	2.3	1,291,750	1,238,398	4.3	616,225	585,229	5.3	1,253,994	1,267,430	-1.1
Exports, Total	48,965	66,538	-26.4	116,620	114,096	2.2						
Domestic, Total	583,401	551,638	5.8	1,175,130	1,124,302	4.5						
Film (12 Mils & Below)	70,643	57,188	23.5	134,241	121,541	10.4						
Packaging Film	19,528	13,979	39.7	40,347	28,555	41.3						
Food Packaging Film	13,784	9,236	49.2	23,891	19,086	25.2						
Non-Food Packaging Film	5,744	4,743	21.1	16,456	9,469	73.8						
Non-Packaging Film	51,115	43,209	18.3	93,894	92,986	1.0						
Retail Bags	38,038	21,123 F	N/C	69,189	45,834	N/C						
Grocery Sacks & T-Shirt Bags	18,802	N/A		36,676	N/A							
All Other Retail Bags	4,011	N/A		8,075	N/A							
Trash Bags/Can Liners	15,225	D9		24,438	D9							
All Other Non-Packaging Film	13,077	22,086	N/C	24,705	47,152	N/C						
Sheet (Over 12 Mils)	28,461	24,150	17.9	64,344	50,993	26.2						
Injection Molding, Total	111,534	114,683	-2.7	225,996	225,280	0.3						
Pails (5 gallons or less)	31,954	38,327	-16.6	60,910	70,616	-13.7						
Housewares	8,619	8,818	-2.3	16,253	15,412	5.5						
Food Tubs/Containers & Drink Cups	23,154	20,050	15.5	48,024	39,990	20.1						
Crates and Totes	10,486	14,646	-28.4	24,370	24,069	1.3						
Toys/Novelties/Sporting Goods	4,165	N/A		9,019	N/A							
Caps and Closures	9,040	N/A		18,172	N/A							
All Other Injection Molding	24,116	32,842	N/C	49,248	75,193	N/C						
Wire and Cable	13,738	11,340	21.1	26,404	25,022	5.5						
Blow Molding, Total	224,762	219,228	2.5	478,371	459,143	4.2						
Motor Oil Bottles	16,404	13,210	24.2	40,682	25,762	57.9						
Liquid Food Bottles	78,326	69,310	13.0	160,450	144,410	11.1						
Household Chemical Bottles	67,404	68,029	-0.9	143,929	141,178	1.9						
Industrial Drums	11,164	22,074 G	N/C	23,407	43,550	N/C						
Gas Tanks, All Uses	2,150	N/A		5,245	N/A							
Pharm., Cosmetics, & Toiletries	16,346	N/A		37,156	N/A							
All Other Blow Molding	32,968	46,605	N/C	67,502	N/A	N/C						
Pipe and Conduit, Total	37,470	37,321	0.4	62,196	71,271	-12.7						
Corrugated	5,679	6,090	-6.7	11,891	10,848	9.6						
Non-Corrugated	31,791	31,231	1.8	50,305	60,423	-16.7						
Gas Distribution	11,147	N/A		18,588	N/A							
Water	D11	N/A		D11	N/A							
Industrial/Sewer	D11	N/A		D11	N/A							
All Other Non-Corrugated Pipe	20,644	N/A		31,717	N/A							
Other Extruded Products	5,708	6,790	-15.9	12,889	14,911	-13.6						
Rotomolding	4,675	5,668	-17.5	11,522	10,928	5.4						
Reseller & Compounders, Total	59,332	47,347	25.3	115,853	97,973	18.2						
Resellers	56,010	42,680	31.2	110,428	86,853	27.1						
Compounders	3,322	4,667	-28.8	5,425	11,120	-51.2						
All Other HDPE	27,078	27,923	-3.0	43,314	47,240	-8.3						

D9 = Disclosure: Included in Other Non-Packaging Film.
D11 = Disclosure: Included in All Other Non-Corrugated Pipe.
N/C = Not Comparable.

F = Reported as Carry Out Bags in 1989.
G = Reported as Large Containers in 1989.
N/A = Not Available.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYPROPYLENE, TOTAL	658,585	613,984	7.3	1,362,748	1,205,717	13.0	666,292	564,430	18.0	1,336,066	1,168,820	14.3
Exports, Total	116,578	106,948	9.0	271,151	193,907	39.8						
Domestic, Total	542,007	507,036	6.9	1,091,597	1,011,810	7.9						
Injection Molding, Total	164,812	144,925	13.7	322,811	295,984	9.1						
Appliances	15,915	12,740	24.9	30,419	25,080	21.3						
Consumer Products	56,088	44,405	26.3	104,571	89,518	16.8						
Rigid Packaging	53,812	50,536	6.5	109,518	101,063	8.4						
Transportation	24,411	24,710	-1.2	47,013	53,359	-11.9						
All Other Injection Molding	14,586	12,534	16.4	31,290	26,964	16.0						
Blow Molding	12,644	9,380	34.8	24,068	20,505	17.4						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	49,696	51,077	-2.7	98,777	101,118	-2.3						
Oriented Film	41,106	38,529	6.7	78,750	76,817	2.5						
Non-Oriented Film	8,590	12,548	-31.5	20,027	24,301	-17.6						
Sheet (Over 10 Mils), Total	9,718	14,860	-34.6	20,967	27,727	-24.4						
Packaging	D	N/A		D	N/A							
Non-Packaging	D	N/A		D	N/A							
Extrusion Coating	2,284	D5		3,410	D5							
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	179,545	172,982	3.8	350,061	333,826	4.9						
Textile Applications	170,860	163,870	4.3	326,410	314,905	3.7						
Nonwovens	54,489	45,418	20.0	105,495	82,069	28.5						
Monofilament & Multifilament Fibers	60,772	66,940	-9.2	109,517	133,878	-18.2						
Slit Film Fibers	55,599	51,512	7.9	111,398	98,958	12.6						
Non-Textile Monofilaments	8,685	9,112	-4.7	23,651	18,921	25.0						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	6,341	6,924	N/C	16,152	14,975	N/C						
Resellers/Distributors/Compounders, Total	111,224	103,214	7.8	244,693	211,607	15.6						
Resellers	39,016	68,669 C	N/C	91,895	141,136	N/C						
Distributors	31,019	N/A		68,877	N/A							
Compounders	41,189	34,545	19.2	83,921	70,471	19.1						
All Other Uses	5,743	3,674	56.3	10,658	6,068	75.6						

D5 = Disclosure; Included in Other Extruded Products.
D = Disclosure
C = Reported as Resellers and Distributors in 1989.

N/C = Not Comparable
N/A = Not Available

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYSTYRENE RESINS, TOTAL	453,980	432,726	4.9	918,334	870,800	5.5	372,015	403,956	-7.9	786,625	808,716	-2.7
Crystal (Solid) Polystyrene	237,341	237,263 A	N/C	483,702	476,845 A	N/C	155,313	231,868 A	N/C	314,275	464,301 A	N/C
Rubber Modified Polystyrene	216,639	195,463	10.8	434,632	393,955	10.3	162,051	172,088	-5.8	359,003	344,415	4.2
Expandable Polystyrene	N.R. 1			N.R. 1			54,651			113,347		
Exports, Total	17,300	19,999	-13.5	40,748	42,953	-5.1						
Crystal (Solid) Polystyrene	5,944	10,413 A	N/C	18,312	22,244 A	N/C						
Rubber Modified Polystyrene	11,356	9,586	18.5	22,436	20,709	8.3						
Expandable Polystyrene	N.R. 1			N.R. 1								
Domestic, Total	436,680	412,727	5.8	877,586	827,847	6.0						
Molding	169,527	162,485	4.3	339,170	332,850	1.9						
Extrusion	199,772	167,486	19.3	398,377	334,983	18.9						
Expandable Polystyrene	55,242	63,594	-13.1	106,830	121,956	-12.4						
Block	19,610	26,750	-26.7	35,615	50,625	-29.6						
Shape	13,295	15,028	-11.5	24,952	28,878	-13.6						
Loose Fill	D6	D6		D6	D6							
Other EPS	22,337	21,816	2.4	46,263	42,453	9.0						
All Other Uses	12,139	19,162	-36.7	33,209	38,058	-12.7						
Polystyrene End-Uses, Total	436,680	412,727	5.8	877,586	827,847	6.0						
Packaging & One Time Use	171,904	144,221 B	19.2	343,003	293,827 B	16.7						
Consumer & Institutional Products	50,906	64,867	-21.5	96,084	127,081	-24.4						
Electrical/Electronics	58,771	53,868	9.1	120,369	105,885	13.7						
Furniture,Furnishings,Bldg. & Construction	30,666	24,776	23.8	63,521	50,593	25.6						
Expandable Polystyrene Beads	55,242	63,594	-13.1	106,830	121,956	-12.4						
Resellers and Compounders	51,844	39,216	32.2	104,687	78,118	34.0						
All Other End-Uses	17,347	22,185	-21.8	43,092	50,387	-14.5						

D6 = Disclosure: Included in Other EPS

N.R. 1 = Not Reported: Included in Crystal(Solid) Polystyrene

A = Reported as Straight Polystyrene in 1989.

B = Consists of Packaging & Disposable Food Serviceware lines reported in 1989.

N/C = Not Comparable

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THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
ABS (ACRYLONITRILE–BUTADIENE–STYRENE), TOTAL	87,329	106,523	-18.0	181,995	229,898	-20.8	77,563	109,390	-29.1	169,727	240,701	-29.5
SAN (STYRENE–ACRYLONITRILE), TOTAL	9,847	8,762	12.4	20,066	16,997	18.1	10,025	8,427	19.0	20,420	18,795	8.6
Total Exports	2,816	2,427	16.0	5,692	4,722	20.5						
Total Domestic	7,031	6,335	11.0	14,374	12,275	17.1						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	11,681	12,897	-9.4	24,675	27,814	-11.3	10,967	12,636	-13.2	24,180	26,212	-7.8
ABS, SAN, & OTHER STYRENICS, TOTAL	108,857	128,182	-15.1	226,736	274,709	-17.5	98,555	130,453	-24.5	214,327	285,708	-25.0
Total Exports	N.R. 1	N.R. 1		N.R. 1	N.R. 1							
Total Domestic	108,857	128,182	-15.1	226,736	274,709	-17.5						
Electrical/Electronics	N.R. 2	N.R. 2		N.R. 2	N.R. 2							
Building & Construction	12,253	12,934	-5.3	21,389	28,141	-24.0						
Transportation	28,527	37,878	-24.7	57,391	79,280	-27.6						
Consumer & Institutional	N.R. 2	N.R. 2		N.R. 2	N.R. 2							
All Other Uses	68,077	77,370	-12.0	147,956	167,288	-11.6						
STYRENE BASED LATEXES, TOTAL*	84,094	79,268	6.1	171,813	165,497	3.8	76,968	74,195	3.7	163,887	155,634	5.3
Carpet Backing	31,791	28,709	10.7	62,009	58,746	5.6						
All Other Uses	52,303	50,559 E	3.4	109,804	106,751 E	2.9						
NYLON RESINS, TOTAL(6)	43,494	50,809	-14.4	87,575	100,658	-13.0	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	4,870	6,783	-28.2	11,180	12,986	-13.9						
Domestic, Total	38,624	44,026	-12.3	76,395	87,672	-12.9	40,990	47,547	-13.8	87,676	97,915	-10.5
Injection Molding Grade	23,005	27,780	-17.2	44,535	52,305	-14.9						
Extrusion Grade	12,235	11,876	3.0	24,665	25,762	-4.3						
Resellers & Compounders	2,694	2,713	-0.7	5,856	6,598	-11.2						
All Other Uses	690	1,657	-58.4	1,339	3,007	-55.5						
Nylon End–Uses, Total	38,624	44,026	-12.3	76,395	87,672	-12.9						
Automotive and Truck	11,997	N/A		23,783	N/A							
Electrical and Electronic	5,501	N/A		10,053	N/A							
Appliances	1,092	N/A		1,971	N/A							
Film and Coating	5,656	N/A		11,476	N/A							
Wire and Cable	2,815	N/A		5,786	N/A							
Monofilament	1,914	N/A		3,772	N/A							
Consumer	1,279	N/A		2,927	N/A							
Industrial/Machinery	3,688	N/A		7,435	N/A							
All Other End–Uses	4,682	N/A		9,192	N/A							

N.R.1 – Not Reported; Included in Total Domestic and All Other.
N.R.2 – Not Reported; Included in All Other Uses.
* – Styrene Based Latexes Sales include some Canadian produced material.
E = Consists of All Other Uses, Paper Treating, and Textile Treating Lines reported in 1989.

R = Revision
D = Disclosure
N/A = Not Available
(6) – Includes sales from imports

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	771,027	685,828	12.4	1,515,225	1,383,567	9.5	724,473	679,261	6.7	1,445,657	1,382,828	4.5
Homopolymer Resins, Including Blending & Latex	712,482	625,563	13.9	1,405,918	1,269,004	10.8	665,806	617,176	7.9	1,325,311	1,263,723	4.9
Copolymer Resins, Including Blending & Latex	20,528	17,550	17.0	33,719	31,316	7.7	16,304	18,830	-13.4	33,168	35,250	-5.9
Dispersion Resins	38,017	42,715	-11.0	75,588	83,247	-9.2	42,363	43,255	-2.1	87,178	83,855	4.0
Exports, Total	69,001	45,002	53.3	169,380	87,123	94.4						
Domestic, Total	702,026	640,826	9.6	1,345,845	1,296,444	3.8						
Calendering, Total	79,132	69,370	14.1	155,791	133,392	16.8						
Flooring	19,412	17,705	9.6	35,243	30,739	14.7						
Textile	8,260	8,289	-0.3	18,315	17,553	4.3						
All Other Calendering Uses	51,460	43,376	18.6	102,233	85,100	20.1						
Coating, Total	25,107	32,682	-23.2	50,412	62,955	-19.9						
Flooring	10,822	13,228	-18.2	21,988	25,462	-13.6						
Textile and Paper Coating	6,974	9,521	-26.8	13,862	18,138	-23.6						
Protective Coatings	3,592	5,002	-28.2	7,358	9,320	-21.1						
Adhesives & All Other Coating Uses	3,719	4,931	-24.6	7,204	10,035	-28.2						
Extrusion, Total	482,405	433,154	11.4	912,814	879,546	3.8						
Wire and Cable	32,074	35,310	-9.2	66,315	64,562	2.7						
Film and Sheet, Packaging	30,854	27,635	11.6	57,103	53,181	7.4						
Film and Sheet, Non-Packaging	4,528	3,940	14.9	8,047	9,946	-19.1						
Siding, Siding Acc. & Moble Home Skirting	72,863	64,119	13.6	138,637	126,924	9.2						
Rigid Pipe and Tubing (except fittings)	290,180	257,634	12.6	538,369	538,751	-0.1						
All Other Extrusion Uses	51,906	44,516	16.6	104,343	86,182	21.1						
Molding, Total	43,546	44,028	-1.1	88,487	95,328	-7.2						
Bottles	18,374	18,837	-2.5	35,900	39,894	-10.0						
Fittings (Rigid Pipe and Tubing)	14,397	12,173	18.3	28,965	28,917	0.2						
All Other Molding Uses	10,775	13,018	-17.2	23,622	26,517	-10.9						
Paste Processes (except coating), Total	13,065	15,032	-13.1	26,268	28,965	-9.3						
Plastisol Formulation	7,185	7,991	-10.1	14,340	15,785	-9.2						
All Other Paste Process Uses	5,880	7,041	-16.5	11,928	13,180	-9.5						
Resellers & Compounders	31,942	29,424	8.6	60,455	60,613	-0.3						
All Other Uses	26,829	17,136	56.6	51,618	35,645	44.8						

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	16,483	17,017	-3.1	33,938	36,384	-6.7	20,197	17,833	13.3	40,726	39,394	3.4
Exports, Total	5,244	6,072	-13.6	11,547	12,602	-8.4						
Domestic, Total	11,239	10,945	2.7	22,391	23,782	-5.8						
THERMOPLASTIC POLYESTER, TOTAL (6)	138,793	122,621	13.2	281,244	260,516	8.0	138,898	121,426	14.4	276,467	252,539	9.5
Exports, Total	22,368	18,746	19.3	51,642	44,061	17.2						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	116,425	103,875	12.1	229,602	216,455	6.1						
Domestic PET	N. R.	N. R.		N. R.	N. R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	77,366	63,991	20.9	156,156	135,067	15.6						
PET/PBT Resellers & Compounders	N.R. 4	N/A		N.R. 4	N/A							
All Other Thermoplastic Polyester	39,059	39,884	N/C	73,446	81,388	N/C						

(2) – The publishing of PVAC data has been suspended.

(3) – The publishing of PVOH data has been suspended.

(4) – Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R. 4 = Not Reported: Included in All Other Thermoplastic Polyester.

N.R. = Not Reported

D = Disclosure

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The Society of the
Plastics Industry, Inc.

Monthly Statistical Report-Resins SPI

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FOR THE MONTH AND PERIOD ENDED

JANUARY 31, 1990

DATA FOR CALCULATING APPARENT CONSUMPTION OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: JUNE 14, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Millions of pounds, dry weight basis)(1)

CRS

JANUARY 1990

RESIN KIND	JANUARY				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*
EPOXY RESIN, TOTAL	34.8	31.5	1.0	6.7	34.8	31.5	1.0	6.7
POLYESTER (UNSATURATED) RESINS, TOTAL	109.9	107.1	0.6	8.1	109.9	107.1	0.6	8.1
UREA RESINS, TOTAL **	124.1	124.5	1.5	2.9	124.1	124.5	1.5	2.9
MELAMINE RESINS, TOTAL **	14.8	13.0	0.3	1.3	14.8	13.0	0.3	1.3
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	254.0	252.3	3.5	7.7	254.0	252.3	3.5	7.7
THERMOSETTING RESINS, TOTAL	537.6	528.4	6.9	26.7	537.6	528.4	6.9	26.7
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	583.0	511.4	82.3	72.5	583.0	511.4	82.3	72.5
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	276.6	313.9	64.1	27.8	276.6	313.9	64.1	27.8
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	637.5	592.9	36.8	96.1	637.5	592.9	36.8	96.1
POLYPROPYLENE, TOTAL	669.8	549.6	6.5	167.9	669.8	549.6	6.5	167.9
ABS RESINS, TOTAL ** (ACRYLONITRILE-BUTADIENE-STYRENE)	92.2	94.7	5.7	11.6	92.2	94.7	5.7	11.6
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	10.4	7.3	0.9	7.1	10.4	7.3	0.9	7.1
OTHER STYRENICS **	100.1	100.7	0.0	14.5	100.1	100.7	0.0	14.5
POLYSTYRENE RESINS, TOTAL	414.6	440.9	4.8	26.3	414.6	440.9	4.8	26.3
NYLON RESINS, TOTAL (6)	46.7	44.1	5.6	12.9	46.7	44.1	5.6	12.9
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	721.2	643.8	8.6	111.7	721.2	643.8	8.6	111.7
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS			N/A	N/A			N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	137.6	113.2	2.6	28.9	137.6	113.2	2.6	28.9
THERMOPLASTIC RESINS, TOTAL	3,689.7	3,412.5	217.9	577.3	3,689.7	3,412.5	217.9	577.3
GRAND TOTAL	4,227.3	3,940.9	224.8	604.0	4,227.3	3,940.9	224.8	604.0

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH + PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data Includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

Sources: Sales and Production – SPI Monthly Statistical Report
Imports – Bureau of the Census (IM 145)
Exports – Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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